ASE 2 Parasitics ATTACHMENT picture a par corresponds to may ending y position nemons from its any @ sich a direction vector

3 sets of orthogonal plan

3 sets of orthogonal plan

4 calculate have listance between successf

6 its on a los fine number tui looks amendele ste en analytei use décellon cosines to parameterine ray levelon  $\frac{(RND], RNDZ, RNDZ)}{(RNDZ^2 + RNDZ^2 + RNDZ^2)}$ Let DX, Ay, and AZ denote slab dimensione or plane spacing.

the direction a ray is launch position has no impact on sparing between plane

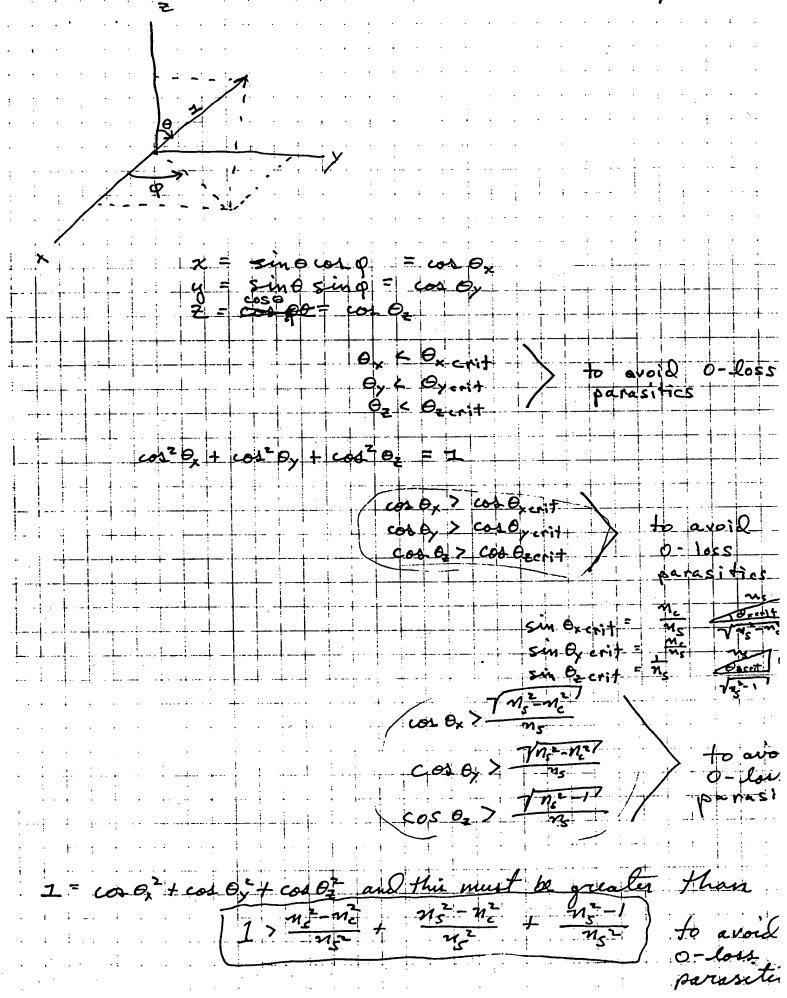
ment contron surface pertierbatively cor Ocz = Trig. Cos Pez 7 7ns-ne

 $y_s^2 - 1 + 2\eta_s^2 - 2\eta_c^2 = \eta_s^2$  $a\left(n_s^2-n_c^2\right)=1$  $m_s - m_o = \frac{1}{2}$ When can this no longer be solved  $n_{e} = \sqrt{677}$ for no zero lossi

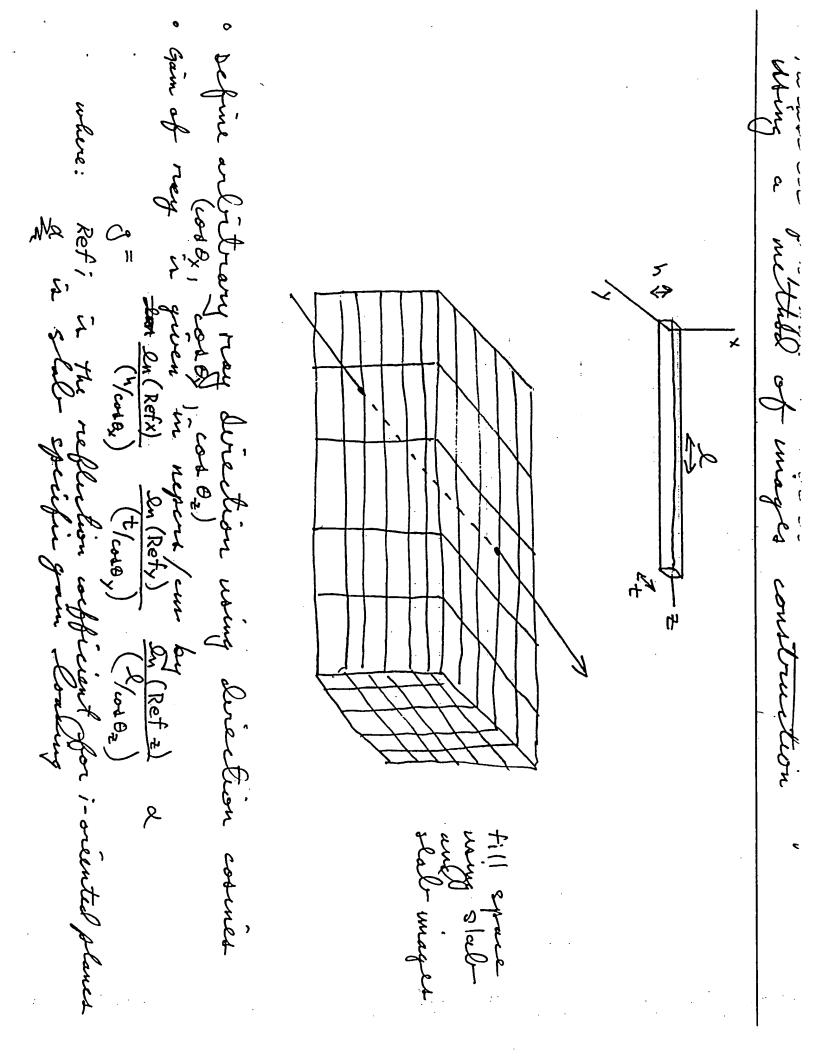
parasitiis exist

Coslo: 8/ab- ASE OZ. XC

prediction. Bustion z will be carried to answer numerically Binding the angular with over which a passistic lexists for given gain and classing in vives. Angles and a production of the contract of the for high the control of the control of the control of the first of the control of the control of the control of er de de la celebration de la compaction de la politica de la compaction de la compaction de la compaction de of the form of the contract of the second of gorden er var var var var var ver er ver er ver er var ver<del>veen de var er var var großer gergerer e</del> 



no in state inter  $\frac{1}{1} > \frac{3 n_s^2 - \lambda n_c^2 - 1}{n_s^2}$   $n_s^2 > 3 n_s^2 - 2 n_c^2 - 1$ 1> a(ns-ne)  $\frac{1}{2}$  >  $n_s^2 - n_c^2$ n= > ns - = ne > / n= - = 



zer- loss rarasities correspond tions that are confined by TIR at all three planes

condition cod by a cod bycrit = costly < costly-crit = co & 0 = < co & 02 - cnit = 1m2-m2 12 - 24 12 - 24

ne coating

ns = slab indi

1 2020 + 2080 + 2020 なる。

MC / 7 N2 - 1/2

Mc>7 N2 -1